

The 752V-HL hand-operated dispense gun is a rugged industrial lever-actuated fluid dispensing valve. The valve incorporates a quick change fluid body for fast and easy maintenance. The fluid inlet fitting for 1/4" OD feed tubing and an assortment of dispensing tips are included.

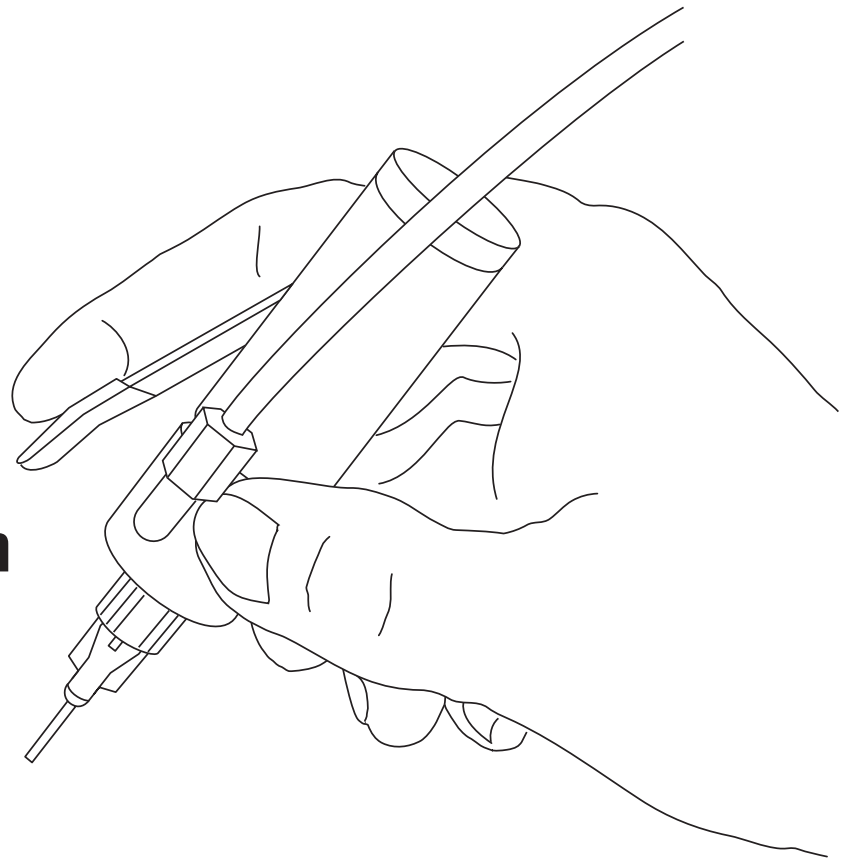
Electronic pdf files of EFD® manuals are also available at www.efd-inc.com/manuals.html

User's Guide

752V-HL Dispense Gun

EFD®
A NORDSON COMPANY

USA: 800-556-3484 or +1-401-434-1680
Europe: 0800 585733 or +44 (0) 1582 666334
Asia: +86 (21) 5854 2345
technical@efd-inc.com www.efd-inc.com



The World Leader in Fluid Dispensing Technology

EFD®
A NORDSON COMPANY

For EFD sales and service in over 30 countries, contact EFD or go to www.efd-inc.com/contact

EFD, Inc.

East Providence, RI USA
800-556-3484; +1-401-434-1680 (outside the USA)
info@efd-inc.com www.efd-inc.com

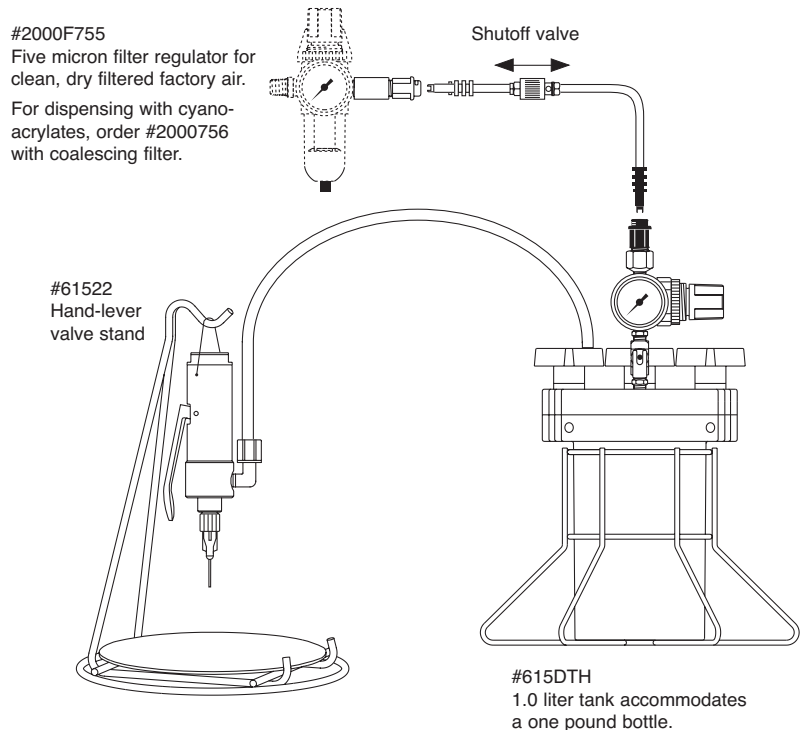
EFD International Inc.

Dunstable, Bedfordshire, UK
0800 585733 or +44 (0) 1582 666334
Ireland 00800 8272 9444
europe@efd-inc.com www.efd-inc.com

EFD, Inc., Asia

China: +86 (21) 5854 2345
china@efd-inc.com www.efd-inc.com/cn
Singapore: +65 6896 9630 sin-mal@efd-inc.com

Typical system setup

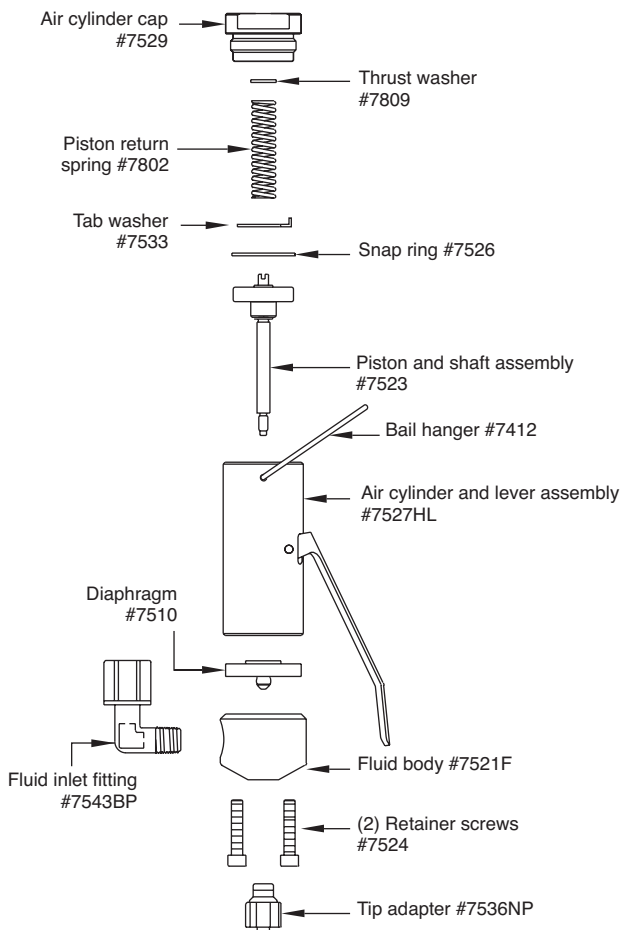


Getting started ...

1. Install the feed tube from the fluid reservoir to the inlet fitting and tighten the compression nut to secure. The location of the inlet fitting can be changed by removing the two fluid body retainer screws and fluid body. Follow the service instructions to reinstall the fluid body with the inlet fitting in the desired position.
2. Apply air pressure to the fluid reservoir. Start with a low setting of 20 psi (1.4 bar). If using an EFD fluid reservoir, refer to the User's Guide for further instructions.
3. Install an appropriate size dispensing tip to the outlet tip adapter. Use large tips for high viscosity materials and small tips for low viscosity.
4. Press the hand lever to begin fluid flow. Release lever to stop fluid flow.
5. To achieve desired flow, change the size of the dispensing tip or adjust the reservoir fluid pressure.

Maintenance Tools:

7/64" hex wrench (part #7509)
 1/8" flat tip screwdriver (part #7508)
 snap ring pliers (customer supplied)
 6" adjustable wrench (customer supplied)



Service

Normal cleaning is accomplished by purging with appropriate solvent. Some material, however, may cause a buildup on the fluid body and diaphragm, which will require a periodic, thorough cleaning by removing the fluid body.

To remove the fluid body:

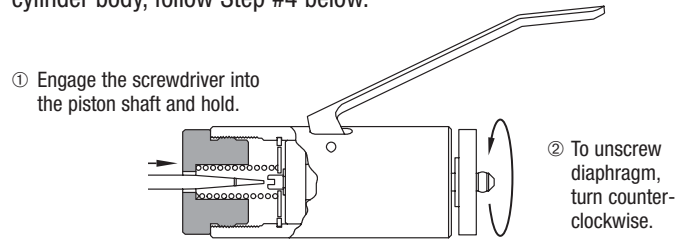
Remove the two retainer screws. It is not always necessary to remove the fittings from the fluid body for cleaning. If the fittings must be removed, be careful—solidified material on the fitting thread could cause the fluid body thread to strip out.

NOTE: Avoid using sharp probes for cleaning. Any scratches or nicks on the diaphragm or the sealing side of the fluid body may cause the valve to leak and require replacement of both the diaphragm and fluid body.

To reinstall the fluid body:

Align fluid body holes with diaphragm and air cylinder body holes, and reinsert retainer screws. Tighten 1/2 turn after screws contact the fluid body. Proper torque is 7" pounds.

If diaphragm holes do not line up with the tapped holes in the air cylinder body, follow Step #4 below.



To change the diaphragm:

1. Remove the fluid body.
2. Place the 1/8" flat tip screwdriver (supplied) through the center hole in the air cylinder cap. *See above.* Engage the slot in the end of the piston shaft ①. While holding the screwdriver, unscrew the diaphragm counterclockwise ②.
3. While holding the screwdriver, carefully thread on the new diaphragm. Be careful not to strip or cross-thread the diaphragm thread. Finger-tighten with medium pressure until the diaphragm bottoms against the shoulder on the piston rod.
4. Before installing the fluid body, determine the operator's desired position of the fluid inlet fitting. Use the screwdriver inserted through the hole in the air cylinder cap to align the holes on the diaphragm with the appropriate holes in the air cylinder body. Holding the air cylinder body, rotate the piston shaft clockwise using the screwdriver until the appropriate holes line up.
5. Reinstall the fluid body. Tighten retainer screws 1/2 turn after contacting the fluid body. Proper torque is 7 inch pounds.

CAUTION: Check the reservoir pressure gauge prior to performing any maintenance to assure that pressure is zero (0). To confirm this on EFD tanks: slide the shutoff valve on the air hose away from the tank, and open the pressure relief valve on the tank.